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NOTICE OF ALLOWANCE AND FEE(S) DUE

26171

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02/13/2004

FISH & RICHARDSON P.C. 1425 K STREET, N.W. 11TH FLOOR WASHINGTON, DC 20005-3500 EXAMINER
COLEMAN, WILLIAM D

ART UNIT PAPER NUMBER

2823

DATE MAILED: 02/13/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/774,427	01/30/2001	Shunpei Yamazaki	07977/115003/US3251D1D1	3966

TITLE OF INVENTION: SEMICONDUCTOR DEVICES AND MANUFACTURING METHODS THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/13/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or Fax

uired) Blocks I through 4 should be completed where

instructions: This for appropriate. All further cor indicated unless corrected to maintenance fee notification	rm should be used for trans respondence including the P below or directed otherwise as.	atent, advance orders and in Block 1, by (a) specify	notification of maintenance for ving a new correspondence add	required). Blocks I through 4 sies will be mailed to the current lress; and/or (b) indicating a separate separa	correspondence address a arate "FEE ADDRESS" fo
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FISH & RICHAR 1425 K STREET, I 11TH FLOOR WASHINGTON, I	N.W.		I hereby certify the States Postal Servaddressed to the transmitted to the	Certificate of Mailing or Trans nat this Fee(s) Transmittal is being vice with sufficient postage for fir Mail Stop ISSUE FEE address USPTO, on the date indicated bel	g deposited with the Unite st class mail in an envelop above, or being facsimil
Wildim Group	20003 3300				(Depositor's name
					(Signature
					(Date
APPLICATION NO.	FILING DATE	FIRST NA	AMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
					
nonprovisional	NO	\$1330	\$300	\$1630	05/13/2004
EXAM		ART UNIT	CLASS-SUBCLASS		
COLEMAN,	WILLIAM D	2823	438-163000		
Address form PTO/SB/12 "Fee Address" indicati	ence address (or Change of Co 22) attached. on (or "Fee Address" Indicati or more recent) attached. Use	on form agent attorn	s OR, alternatively, (2) the na (having as a member a registe) and the names of up to 2 raieys or agents. If no name is the printed.	ered attorney or 2egistered patent	
PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN	d to the USPTO or is being st	ow, no assignee data will a abmitted under separate co (B) RESID	appear on the patent. Inclusion ver. Completion of this form is ENCE: (CITY and STATE OR	of assignee data is only appropriation of a substitute for filing an assicountry)	gnment.
4a. The following fee(s) are			nt of Fee(s):	_ corporation of outer private gr	опротиту денеги
☐ Issue Fee		☐ A che	eck in the amount of the fee(s) is	s enclosed.	
Publication Fee		☐ Paym	ent by credit card. Form PTO-2	2038 is attached.	
Advance Order - # of	Copies		Director is hereby authorized by Account Number	by charge the required fee(s), or (enclose an extra c	
Director for Patents is reques	sted to apply the Issue Fee an			aid issue fee to the application ide	
(Authorized Signature)		(Date)			
other than the applicant;	d Publication Fee (if require a registered attorney or age cords of the United States Pat	nt; or the assignee or oth	ner party in		
estimated to take 12 minut	tion is required by 37 CFR by the public which is to fill vis governed by 35 U.S.C. 12 es to complete, including gam to the USPTO. Time will the amount of time you rehis burden, should be sent to Dffice, U.S. Department of END FEES OR COMPLET	thering, preparing, and sub-	omitting the		

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UNITED STATES PATENT AND TRADEMARK OFFICE

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WASHINGTON D	C 20005-3500		2823	

DATE MAILED: 02/13/2004

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 4 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 4 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			XC.
	Application No.	Applicant(s)	4
A	09/774,427	YAMAZAKI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	W. David Coleman	2823	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIP of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communi IGHTS. This application is sub-	is application. If not included cation will be mailed in due course. T	
1. This communication is responsive to <u>February 2, 2004</u> .			
2. ☑ The allowed claim(s) is/are <u>1-13</u> .			
3. $igotimes$ The drawings filed on <u>30 January 2001</u> are accepted by the	e Examiner.		
4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to the company of the paper No./Mail Date DEPOSIT OF and/or INFORMATION about the deposite attached Examiner's comment regarding REQUIREMENT	e been received. e been received in Application of the communication to file a MENT of this application. itted. Note the attached EXAM as reason(s) why the oath or do st be submitted. Son's Patent Drawing Review (as Amendment / Comment or in the header according to 37 CFR sit of BIOLOGICAL MATER	No In this national stage application from this national stage application from reply complying with the requirement INER'S AMENDMENT or NOTICE Officeration is deficient. PTO-948) attached the Office action of the office action of the lack of I.121(d). IAL must be submitted. Note the	s
Attachm nt(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ⊠ Interview Sum Paper No./M: 7. ⊠ Examiner's Ar	mal Patent Application (PTO-152) mary (PTO-413), ail Date nendment/Comment atement of Reasons for Allowance W. David Coleman Primary Examiner Art Unit: 2823	

Application/Control Number: 09/774,427 Page 2

Art Unit: 2823

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on July 14, 2003 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 6,194,672 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

- 2. Claims 1-13 allowed.
- 3. The following is an examiner's statement of reasons for allowance: reasons for allowance are recited in Applicants amendment filed July 14, 2003.
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to W. David Coleman whose telephone number is 571-272-1856. The examiner can normally be reached on 9:00 AM-5:00 PM.
- 6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 703-306-2794. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2823

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

W. David Coleman

Primary Examiner
Art Unit 2823

WDC